

ASSIGNMENT OF RIGHTS from
The University of Massachusetts to
Charles A. Vacanti, Martin P. Vacanti, and Joseph Vacanti

Appendix A

- UMMC 95-03:** Antibiotic Suture Material
Inventor: Charles Vacanti
No applications filed
- UMMC 95-21:** Cartilage/Tissue Paint
Inventor: Charles Vacanti
U.S. Patent Application 08/747,036
Issued: U.S. Patent 5,944,754
PCT Patent Application PCT/US96/18166
European Patent Application 96941344.2
- UMMC 96-14:** Tubular, Ductile or Vascular Anastomosis Compression Cylinders
Inventor: Charles Vacanti
No applications filed
- UMMC 96-19:** Guided Development and Support of Hydrogel-Cell Compositions
Inventors: Charles Vacanti and Joseph Vacanti
U.S. Patent Application 09/066,038
Issued: U.S. Patent 6,027,744
- UMMC 99-01:** The Generation of Engineered Tissue in a Bioreactor for Transplantation
Inventors: Charles Vacanti and Joseph Vacanti
No applications filed
- UMMC 99-07:** Spinal Cord Repair
Inventors: Charles Vacanti, Joseph Vacanti, and Martin Vacanti
U.S. Continuation-in-part Patent Application 09/200,033
Issued: U.S. Patent 6,171,610 B1
U.S. Continuation-in-part Patent Application 09/066,038
U.S. Continuation Patent Application 09/658,912
PCT Patent Application PCT/US99/08471
European National Phase Patent Application 9921398.6
- UMMC 99-37:** Skin Progenitor Cells
Inventors: Charles Vacanti and Martin Vacanti
U.S. Patent Application 09/475,611

ASSIGNMENT OF RIGHTS from
The University of Massachusetts to
Charles A. Vacanti, Martin P. Vacanti, and Joseph Vacanti

- UMMC 99-38:** Retina Progenitor Cells
Inventors: Charles Vacanti and Martin Vacanti
U.S. Patent Application 09/475,369
- UMMC 99-47:** Spore-Like Cells
Inventors: Charles Vacanti and Martin Vacanti
U.S. Patent Application 09/476,047
PCT Patent Application PCT/US00/35606
- UMMC 00-09:** Pancreas Progenitor Cells
Inventors: Charles Vacanti and Martin Vacanti
U.S. Patent Application 09/476,394
- UMMC 00-29:** Spore-Like Cells from Frozen Tissue
Inventors: Charles Vacanti and Martin Vacanti
U.S. Patent Application 10/020,778
- UMMC 00-30:** The Procurement and Use of Spore-like Cells Derived from all Body
Tissues for Use in Allogenic and Xenogeneic Cell Therapy to Include
Tissue Engineering and Gene Therapy
Inventors: Charles Vacanti and Martin Vacanti
No applications filed
- UMMC 00-38:** The use of spore like cells in vitro to generate therapeutic agents and
test efficacy and toxicology of various endogenous agents
Inventors: Charles Vacanti and Martin Vacanti
No applications filed
- UMMC 02-31:** A biologic field dressing to generate new tissue
Inventors: Charles Vacanti and Martin Vacanti
No applications filed
- UMMC 02-32:** In vitro generation of biological scaffolding material using the spore-
like cell
Inventors: Charles Vacanti and Martin Vacanti
U.S. Patent Application 60/419,682
- UMMC 03-07:** A novel expansion method of chondrocytes using decanting methods
including small (spore-like) cells
Inventor: Martin Vacanti
No applications filed

ASSIGNMENT OF RIGHTS from
The University of Massachusetts to
Charles A. Vacanti, Martin P. Vacanti, and Joseph Vacanti

- UMMC 03-22:** The generation of insulin producing islets from unprepared frozen blood and bone marrow
Inventors: Charles Vacanti and Martin Vacanti
No applications filed
- UMMC 03-27:** The use of unprepared frozen blood to generate spore-like cells/ dynamic matrix for reconstitution of the bone marrow
Inventors: Charles Vacanti and Martin Vacanti
No applications filed
- UMMC 03-35:** The use of the spore-like cell and dynamic matrix for gene based therapies
Inventors: Charles Vacanti and Martin Vacanti
No applications filed
- UMMC 03-44:** The procurement and use of spore-like cells derived from previously unprepared frozen tissue for cloning extinct animal species
Inventors: Charles Vacanti and Martin Vacanti
No applications filed
- UMMC 03-45:** The use of tumor derived spore-like cells to derive a vaccine for treatment
Inventors: Charles Vacanti and Martin Vacanti
No applications filed
- UMMC 03-46:** The use of spore-like cells suspended in hydrogel to treat congestive heart failure
Inventors: Charles Vacanti and Martin Vacanti
No applications filed
- UMMC 03-57:** The inhibition of tumor growth by freshly synthesized cartilage matrix products using hydrogel-tissue engineering techniques
Inventors: Charles Vacanti and Martin Vacanti
No applications filed
- UMMC 03-62:** Reversal of degenerative diseases (aging) by systemic administration of spore-like cells in combination with systemic removal of degradation products
Inventors: Charles Vacanti and Martin Vacanti
No applications filed

**ASSIGNMENT OF RIGHTS from
The University of Massachusetts to
Charles A. Vacanti, Martin F. Vacanti, and Joseph Vacanti**

- UMMC 03-72:** **The use of spore-like cells to repair the damaged DNA of tumor cells**
Inventors: Charles Vacanti and Martin Vacanti
No applications filed.
- UMMC 03-88:** **Reversal of degenerative diseases (aging) by systemic administration**
of spore-like cells in combination with systemic removal of
degradation products
Inventors: Charles Vacanti and Martin Vacanti
No applications filed